

Seat No.	
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**B.E. (Computer Sci. & Engg.) (Part - II) (Old)**  
**(Semester - VIII) (Pre-revised) Examination, April - 2017**

**GRID TECHNOLOGY**

**Sub. Code : 49447**

**Day and Date : Tuesday, 25-04-2017**

**Total Marks :100**

**Time : 2.00 p.m. to 5.00 p.m.**

- Instructions :**
- 1) Q. 4 & Q. 8 are compulsory.
  - 2) Attempt any two questions from Q. 1, Q. 2, Q. 3.
  - 3) Attempt any two question from Q. 5, Q. 6, Q. 7.
  - 4) Figures to the right indicates full marks.

- Q1) a)** Describe the resource management services provided by GT3. [8]  
**b)** Define Web service? Explain the structure of SOAP message and WSDL document? [8]
- Q2) a)** With data flow diagram how user can build distributed client/server application model using CORBA? [8]  
**b)** Explain GT3 programming model with necessary data flow diagram? [8]
- Q3) a)** What is the relationship between OGSA, OGSF, and web service. [4]  
**b)** Explain how web services are beneficial to the GRID? [4]  
**c)** With neat schematic explain software architecture of portal Lab? [8]
- Q4) Write a short notes on (Any Three). [18]**
- a) DAML-S and OWL-S.
  - b) Grid related standard bodies.
  - c) GT3 index services.
  - d) Portlet Wrapper Generator.

**P.T.O.**

- Q5)** a) Explain different authorization modes in GSI. [8]  
b) With neat schematic explain architecture of Autopilot? [8]
- Q6)** a) Explain cloud deployment models? Discuss about pros and cons cloud computing? [8]  
b) Explain the characteristics and types of virtualization in cloud computing? [8]
- Q7)** a) What is SOA? Explain characteristics of SOA. [4]  
b) Discuss about services offered by Amazon AWS. [4]  
c) Explain Job life cycle and Job management in Codor. [8]
- Q8)** Write a short note on (Any Three). [18]  
a) GMA.  
b) Daemons in condor pool.  
c) Client Desktop.  
d) Scheduling Paradigms.

